Optics Communications 102 (1993) 546–554
North-Holland

OPTICS
COMMUNICATIONS

Author Index to Volume 102

Abramochkin, E. and V. Volostnikov, Spiral-type beams 102 (1993) 336
Anand, G.V., see S. Kumar 102 (1993) 329
Artyukov, I.A., A.I. Fedorenko, V.V. Kondratenko, S.A. Yulin and A.V. Vinogradov, Soft X-ray submicron imaging experiments with nanosecond exposure 102 (1993) 401

Baev, V.M., see J. Sierks 102 (1993) 265
Bagini, V., F. Gori, M. Santarsiero, G. Guattari and G. Schirripa Spagnolo, Space intensity distribution and projections of the cross spectral density 102 (1993) 495
Bajkova, A.T., see B.R. Frieden 102 (1993) 515
Balle, S., I.C.M. Littler, K. Bergmann and F.V. Kowalski, Frequency shifted feedback dye laser operating at a small shift frequency 102 (1993) 166
Banerjee, P.P., see P. Pliszka 102 (1993) 532
Baudon, J., see S. Feron 102 (1993) 83
Beech, R.S. and A.K. Ghosh, Alignability versus bandwidth and bit-error-rate for optical interconnects 102 (1993) 351
Bergmann, K., see S. Balle 102 (1993) 166
Biraben, F., see F. Nez 102 (1993) 432
Blow, K.J., see N.J. Smith 102 (1993) 324
Bourimborde, L.V., A.O. Tonso, C.M.V. Colautti and E.E. Sicre, Real-time measurement of the meniscus shape using the Talbot effect 102 (1993) 397
Bozhevolnyi, S., see O. Keller 102 (1993) 238
Brecha, R.J., G. Raithel, C. Wagner and H. Walther, Circular Rydberg states with very large n 102 (1993) 257
Bryngdahl, O., see S. Weissbach 102 (1993) 407
Butterworth, S.D., see M.J. McCarthy 102 (1993) 297

Cagigal, M.P., P. Prieto and L. Vega, The second-order factorial moment of the time-interval distribution and its application to life-time determination 102 (1993) 469
Campbell, N.S., see J.J. Maki 102 (1993) 251
Castro, M.P.P., C.E. Fellows and C.A. Massone, Simultaneous emission of seven laser bands in the N_2 2^+ system by current confinement and discharge channel plasma inductance reduction 102 (1993) 53
Chau, F.S., see T.W. Ng 102 (1993) 208
Chavel, P., see H.C. Zhai 102 (1993) 414
Chen, C., see S. Zhang 102 (1993) 213
Chen, C., W. Gao, L. Mi, D. Huang, Y. Chen, Z. Wan and D.W. Liu, Photoreflectance and photoluminescence characterizations of GaAs/$Al_xGa_{1-x}As$ single quantum well interface structures 102 (1993) 439
Chen, X. and G. Zhang, A compound up-conversion luminescence mechanism in crystalline TmP_5O_{14} 102 (1993) 293

Optics Communications 102 (1993) 546–554
North-Holland

OPTICS
COMMUNICATIONS

Author Index to Volume 102

Abramochkin, E. and V. Volostnikov, Spiral-type beams 102 (1993) 336
Anand, G.V., see S. Kumar 102 (1993) 329
Artyukov, I.A., A.I. Fedorenko, V.V. Kondratenko, S.A. Yulin and A.V. Vinogradov, Soft X-ray submicron imaging experiments with nanosecond exposure 102 (1993) 401

Baev, V.M., see J. Sierks 102 (1993) 265
Bagini, V., F. Gori, M. Santarsiero, G. Guattari and G. Schirripa Spagnolo, Space intensity distribution and projections of the cross spectral density 102 (1993) 495
Bajkova, A.T., see B.R. Frieden 102 (1993) 515
Balle, S., I.C.M. Littler, K. Bergmann and F.V. Kowalski, Frequency shifted feedback dye laser operating at a small shift frequency 102 (1993) 166
Banerjee, P.P., see P. Pliszka 102 (1993) 532
Baudon, J., see S. Feron 102 (1993) 83
Beech, R.S. and A.K. Ghosh, Alignability versus bandwidth and bit-error-rate for optical interconnects 102 (1993) 351
Bergmann, K., see S. Balle 102 (1993) 166
Biraben, F., see F. Nez 102 (1993) 432
Blow, K.J., see N.J. Smith 102 (1993) 324
Bourimborde, L.V., A.O. Tonso, C.M.V. Colautti and E.E. Sicre, Real-time measurement of the meniscus shape using the Talbot effect 102 (1993) 397
Bozhevolnyi, S., see O. Keller 102 (1993) 238
Brecha, R.J., G. Raithel, C. Wagner and H. Walther, Circular Rydberg states with very large n 102 (1993) 257
Bryngdahl, O., see S. Weissbach 102 (1993) 407
Butterworth, S.D., see M.J. McCarthy 102 (1993) 297

Cagigal, M.P., P. Prieto and L. Vega, The second-order factorial moment of the time-interval distribution and its application to life-time determination 102 (1993) 469
Campbell, N.S., see J.J. Maki 102 (1993) 251
Castro, M.P.P., C.E. Fellows and C.A. Massone, Simultaneous emission of seven laser bands in the N_2 2^+ system by current confinement and discharge channel plasma inductance reduction 102 (1993) 53
Chau, F.S., see T.W. Ng 102 (1993) 208
Chavel, P., see H.C. Zhai 102 (1993) 414
Chen, C., see S. Zhang 102 (1993) 213
Chen, C., W. Gao, L. Mi, D. Huang, Y. Chen, Z. Wan and D.W. Liu, Photoreflectance and photoluminescence characterizations of GaAs/$Al_xGa_{1-x}As$ single quantum well interface structures 102 (1993) 439
Chen, X. and G. Zhang, A compound up-conversion luminescence mechanism in crystalline TmP_5O_{14} 102 (1993) 293

Chen, Y., see C. Chen 102 (1993) 439
Chizhevsky, V.N. and S.I. Turovets, Small signal amplification and classical squeezing near period-doubling bifurcations in a modulated CO_2-laser 102 (1993) 175
Colautti, C.M.V., see L.V. Bourimborde 102 (1993) 397
Collett, M., see P. Smith 102 (1993) 105
Crofts, G.J., see R.P.M. Green 102 (1993) 288
Cutolo, A., see S. Di Stasio 102 (1993) 76

Dalton, B.J., see Z. Ficek 102 (1993) 231
Damzen, M.J., see R.P.M. Green 102 (1993) 288
De Araújo, C.B., see H. Ma 102 (1993) 89
De Araújo, L.E.E., see H. Ma 102 (1993) 89
De Fornel, F., E. Lesniewska, L. Salomon and J.P. Goudonnet, First images obtained in the near infrared spectrum with the photon scanning tunneling microscope 102 (1993) 1
Delaporte, Ph.C., see O.P. Uteza 102 (1993) 523
Delaye, Ph., see B. Sugg 102 (1993) 6
Dellunde, J., M.C. Torrent and J.M. Sancho, Effect of large injected fields on the transient dynamics of a laser 102 (1993) 277
Dihardja, Y., see C.P. Smith 102 (1993) 505
Di Stasio, S. and A. Cutolo, Influence of the pulse instabilities on the optimization criteria of a fiber compressor 102 (1993) 76
Dötsch, H., see A. Erdmann 102 (1993) 25
Dötsch, H., see R. Gerhardt 102 (1993) 31
Drobný, G. and I. Jex, The system of N two-level atoms interacting with a field mode: entanglement and parametric approximation 102 (1993) 141
Ducloy, M., see S. Feron 102 (1993) 83

Ehrlich, J.E., D.T. Neilson, A.C. Walker and M. Hopkinson, Guided-wave measurements of real-excitation optical nonlinearities in a tensile strained InGaAs on InP quantum well at 1.5 μm 102 (1993) 473
Elsaesser, T., see C. Ludwig 102 (1993) 447
Erdmann, A., M. Shamonin, P. Hertel and H. Dötsch, Finite difference analysis of gyrotropic waveguides 102 (1993) 25
Eschner, J., see J. Sierks 102 (1993) 265

Fan, P., see X. Wang 102 (1993) 271
Fedorenko, A.I., see I.A. Artyukov 102 (1993) 401
Fei, L., see Y. Sun 102 (1993) 205
Felder, R., see F. Nez 102 (1993) 432
Fellows, C.E., see M.P.P. Castro 102 (1993) 53
Fernandez, U., T.M. Fischer and W. Knoll, Surface-plasmon microscopy with grating couplers 102 (1993) 49
Feron, S., J. Reinhardt, S. le Boiteux, O. Gorceix, J. Baudon, M. Ducloy, J. Robert, Ch. Miniatura, S. Nic Chormaic, H. Haberland and V. Lorent, Reflection of metastable neon atoms by a surface plasmon wave 102 (1993) 83
Ficek, Z. and B.J. Dalton, Squeezing-induced transparency in a two-level atom 102 (1993) 231
Firth, W.J., see N.J. Smith 102 (1993) 324
Fischer, T.M., see U. Fernandez 102 (1993) 49

Földvári, I., B. Taheri, R.J. Reeves and R.C. Powell, Nonlinear absorption of laser light in Bi_2TeO_5 single crystal 102 (1993) 245
Fontaine, B.L., see O.P. Uteza 102 (1993) 523
Forestier, B.M., see O.P. Uteza 102 (1993) 523
Frey, W., see C. Ludwig 102 (1993) 447
Frieden, B.R. and A.T. Bajkova, Entropic reconstruction of complex images 102 (1993) 515
Fujiwara, H., see K. Kawano 102 (1993) 421
Funayama, M., K. Mukaihara, H. Morita, T. Okada, N. Tomonaga, J. Izumi and M. Maeda, Continuously tunable coherent source over 202–3180 nm based on a Ti:sapphire laser 102 (1993) 457

Gakhovich, D.E., A.S. Grabchikov and V.A. Orlovich, Spontaneous solitons in short length geometry of stimulated Raman scattering 102 (1993) 485
Gao, W., see C. Chen 102 (1993) 439
Gazecki, J., see J.M. Kubica 102 (1993) 217
Gerhardt, R., S. Sure, H. Dötsch, T. Linkewitz and W. Tolksdorf, Optical properties of bismuth and gallium substituted thulium iron garnet films 102 (1993) 31
Ghosh, A.K., see R.S. Beech 102 (1993) 351
Ginzel, C., see U. Martini 102 (1993) 379
Gomes, A.S.L., see H. Ma 102 (1993) 89
Gong, Q., see Y. Sun 102 (1993) 205
Gorceix, O., see S. Feron 102 (1993) 83
Gori, F., see V. Bagini 102 (1993) 495
Goudonnet, J.P., see F. de Fornel 102 (1993) 1
Grabchikov, A.S., see D.E. Gakhovich 102 (1993) 485
Grande, C.M., see J.J. Maki 102 (1993) 251
Green, R.P.M., G.J. Crofts and M.J. Damzen, Phase conjugate reflectivity and diffraction efficiency of gain gratings in Nd:YAG 102 (1993) 288
Grigorieva, E.V. and S.A. Kashchenko, Complex temporal structures in models of a laser with optoelectronic delayed feedback 102 (1993) 183
Grimm, R., see Yv.B. Ovchinnikov 102 (1993) 155
Guattari, G., see V. Bagini 102 (1993) 495

Haberland, H., see S. Feron 102 (1993) 83
Haneishi, H., see S. Ohishi 102 (1993) 425
Hanna, D.C., see M.J. McCarthy 102 (1993) 297
Hannaford, P., see R.J. McLean 102 (1993) 43
Haubrich, D., A. Höpe and D. Meschede, A simple model for optical capture of atoms in strong magnetic quadrupole fields 102 (1993) 225
He, A., see J. Zhang 102 (1993) 13
Hertel, P., see A. Erdmann 102 (1993) 25
Hickman, A.P., D.T. Mugglin and A.D. Streater, Light-induced diffusive pulling and diffusion cross sections for K–He: experiment and theory 102 (1993) 281
Hillion, P., Diffraction of a time-dependent electromagnetic pulse by a conducting plane screen 102 (1993) 199
Honda, T., see S. Ohishi 102 (1993) 425
Höpe, A., see D. Haubrich 102 (1993) 225
Hopkinson, M., see J.E. Ehrlich 102 (1993) 473
Huang, D., see C. Chen 102 (1993) 439

Izumi, J., see M. Funayama 102 (1993) 457

Ja, Y.H., Simultaneous resonance of an S-shaped two-coupler optical fibre ring resonator 102 (1993) 133
Jaroszewicz, Z. and A. Kołodziejczyk, Zone plates performing generalized Hankel transforms and their metrological applications 102 (1993) 391
Jex, I., see G. Drobný 102 (1993) 141

Kahmann, F., see B. Sugg 102 (1993) 6
Kashchenko, S.A., see E.V. Grigorieva 102 (1993) 183
Kawano, K., K. Nakagawa, T. Takeda and H. Fujiwara, Additional phase change between saturable absorption and holographic components in phase-conjugate interferometry 102 (1993) 421
Keller, O., M. Xiao and S. Bozhevolnyi, Optical diamagnetic polarizability of a mesoscopic metallic sphere: transverse self-field approach 102 (1993) 238
Kim, B.-G., see H.-J. Lee 102 (1993) 221
Knoll, W., see U. Fernandez 102 (1993) 49
Knorpp, R.P., see J.J. Maki 102 (1993) 251
Knüttel, A. and J.M. Schmitt, Stationary depth-profiling reflectometer based on low-coherence interferometry 102 (1993) 193
Kołodziejczyk, A., see Z. Jaroszewicz 102 (1993) 391
Kondratenko, V.V., see I.A. Artyukov 102 (1993) 401
Kowalski, F.V., see S. Balle 102 (1993) 166
Krasinski, J.S., see C. Radzewicz 102 (1993) 464
Kubica, J.M., J. Gazecki and G.K. Reeves, Multimode operation of ARROW waveguides 102 (1993) 217
Kumar, S., A. Selvarajan and G.V. Anand, Influence of Raman scattering on the cross phase modulation in optical fibers 102 (1993) 329

Larkins, P.L., see R.J. McLean 102 (1993) 43
Le Boiteux, S., see S. Feron 102 (1993) 83
Lederer, F., see E. Weinert-Rączka 102 (1993) 478
Lee, H.-J., S.-Y. Shin and B.-G. Kim, Fabrication-tolerant $\Delta\kappa$ directional coupler switch using annealing in proton exchange 102 (1993) 221
Lesniewska, E., see F. de Fornel 102 (1993) 1
Letokhov, V.S., see Y.. Ovchinnikov 102 (1993) 155
Li, R., see X. Wang 102 (1993) 271
Li, Y., see X. Wang 102 (1993) 271
Lin, L., see X. Wang 102 (1993) 271
Lin, S., see S. Zhang 102 (1993) 213
Linkewitz, T., see R. Gerhardt 102 (1993) 31
Littler, I.C.M., see S. Balle 102 (1993) 166
Liu, D.W., see C. Chen 102 (1993) 439
Liu, L., see J. Zhang 102 (1993) 13
López-Olazagasti, E., see J. Ojeda-Castañeda 102 (1993) 21
Lorent, V., see S. Feron 102 (1993) 83
Lu, P., see X. Wang 102 (1993) 271
Ludwig, C., W. Frey, M. Woerner and T. Elsaesser, Generation of synchronized femtosecond pulses independently tunable in the mid-infrared 102 (1993) 447
Lugiato, L.A., see C.P. Smith 102 (1993) 505

Luo, X., J.H. Schäfer and J. Uhlenbusch, Microwave excited high power cw CO laser at room temperature 102 (1993) 65

Ma, H., L.E.E. de Araújo, A.S.L. Gomes and C.B. de Araújo, Phase measurements of the fifth-order susceptibility of Cd(S, Se)-doped glasses 102 (1993) 89
Maeda, M., see M. Funayama 102 (1993) 457
Maki, J.J., N.S. Campbell, C.M. Grande, R.P. Knorpp and D.H. McIntyre, Stabilized diode-laser system with grating feedback and frequency-offset locking 102 (1993) 251
Martini, U., C. Ginzel and A. Schenzle, Optical bistability and nonclassical photon counting statistics with few atoms 102 (1993) 379
Massone, C.A., see M.P.P. Castro 102 (1993) 53
McCarthy, M.J., S.D. Butterworth and D.C. Hanna, High-power widely-tunable picosecond pulses from an all-solid-state synchronously-pumped optical parametric oscillator 102 (1993) 297
McIntyre, D.H., see J.J. Maki 102 (1993) 251
McLean, R.J., P. Hannaford, P.L. Larkins and W.J. Rowlands, Diode laser saturated absorption measurements of isotope shifts and hyperfine structure in ZrI 102 (1993) 43
Meschede, D., see D. Haubrich 102 (1993) 225
Mi, L., see C. Chen 102 (1993) 439
Millerioux, Y., see F. Nez 102 (1993) 432
Miniatura, Ch., see S. Feron 102 (1993) 83
Morita, H., see M. Funayama 102 (1993) 457
Mugglin, D.T., see A.P. Hickman 102 (1993) 281
Mukaihara, K., see M. Funayama 102 (1993) 457

Nakagawa, K., see K. Kawano 102 (1993) 421
Nassisi, V. and M. Primavera, Experimental characterization of a folded self-filtering unstable resonator applied to an excimer laser 102 (1993) 452
Neilson, D.T., see J.E. Ehrlich 102 (1993) 473
Neubecker, R., see B. Thüring 102 (1993) 111
Nez, F., F. Biraben, R. Felder and Y. Millerioux, Optical frequency determination of the hyperfine components of the $5S_{1/2}$–$5D_{3/2}$ two-photon transitions in rubidium 102 (1993) 432
Ng, T.W. and F.S. Chau, Measurement of linear shear in digital shearing speckle interferometry 102 (1993) 208
Nic Chormaic, S., see S. Feron 102 (1993) 83
Ninomiya, H., see H. Yoshida 102 (1993) 461

Ohishi, S., H. Haneishi, M. Yamaguchi, N. Ohyama and T. Honda, Reconstruction of blood vessels from an insufficient number of projections obtained from venography 102 (1993) 425
Ohkubo, K. and J. Ohtsubo, Evaluation of LCTV as a spatial light modulator 102 (1993) 116
Ohtsu, M., see W. Wang 102 (1993) 304
Ohtsubo, J., see K. Ohkubo 102 (1993) 116
Ohyama, N., see S. Ohishi 102 (1993) 425
Ojeda-Castañeda, J., G. Saavedra and E. López-Olazagasti, Supergaussian beams of continuous order as GRIN modes 102 (1993) 21
Okada, T., see M. Funayama 102 (1993) 457
Orlovich, V.A., see D.E. Gakhovich 102 (1993) 485
Orzag, M. and R. Ramírez, Trapping states and measurement, Optics Comm. 101 (1993) 377. Erratum 102 (1993) 544

Ovchinnikov, Yv.B., R. Grimm, A.I. Sidorov and V.S. Letokhov, Rectified dipole force in a bichromatic standing light wave 102 (1993) 155

Pearson, G.W., see C. Radzewicz 102 (1993) 464
Peiponen, K.-E., R. Silvennoinen and Y.-F. Zhang, Laser-induced luminescence of chinese tea 102 (1993) 314
Peng, K., see T. Zhang 102 (1993) 491
Pliszka, P. and P.P. Banerjee, Interaction of light beam with its second harmonic in a square-law nonlinear guide 102 (1993) 532
Powell, R.C., see I. Földvári 102 (1993) 245
Prati, F., see C.P. Smith 102 (1993) 505
Prieto, P., see M.P. Cagigal 102 (1993) 469
Primavera, M., see V. Nassisi 102 (1993) 452

Qian, A., see X. Wang 102 (1993) 271
Qiang, D., see Y. Sun 102 (1993) 205

Radzewicz, C., G.W. Pearson and J.S. Krasinski, Use of ZnS as an additional highly nonlinear intracavity self-focusing element in a Ti:sapphire self-modelocked laser 102 (1993) 464
Raithel, G., see R.J. Brecha 102 (1993) 257
Ramazza, P.L. and M. Zhao, Experimental study of two-wave mixing amplification in Cu-doped KNSBN 102 (1993) 93
Ramazza, P.L., see S. Residori 102 (1993) 100
Ramírez, R., see M. Orzag 102 (1993) 544
Reeves, G.K., see J.M. Kubica 102 (1993) 217
Reeves, R.J., see I. Földvári 102 (1993) 245
Reinhardt, J., see S. Feron 102 (1993) 83
Residori, S., P.L. Ramazza and M. Zhao, Dynamics of beam fanning in Cu-doped KNSBN 102 (1993) 100
Robert, J., see S. Feron 102 (1993) 83
Roosen, G., see B. Sugg 102 (1993) 6
Rowlands, W.J., see R.J. McLean 102 (1993) 43
Roy, A. and K. Singh, Crystal orientation-dependent cross and parallel polarization coupling in the transmission type DTWM 102 (1993) 309
Rupp, R.A., see B. Sugg 102 (1993) 6

Saavedra, G., see J. Ojeda-Castañeda 102 (1993) 21
Saldin, E.L., E.A. Schneidmiller and M.V. Yurkov, Similarity techniques in a one-dimensional theory of a FEL oscillator 102 (1993) 360
Salomon, L., see F. de Fornel 102 (1993) 1
Sancho, J.M., see J. Dellunde 102 (1993) 277
Santarsiero, M., see V. Bagini 102 (1993) 495
Schäfer, J.H., see X. Luo 102 (1993) 65
Schenzle, A., see U. Martini 102 (1993) 379
Schirripa Spagnolo, G., see V. Bagini 102 (1993) 495
Schmitt, J.M., see A. Knüttel 102 (1993) 193
Schneidmiller, E.A., see E.L. Saldin 102 (1993) 360
Selvarajan, A., see S. Kumar 102 (1993) 329
Sentis, M.L., see O.P. Uteza 102 (1993) 523

Seyd-Darwish, I., see H.C. Zhai 102 (1993) 414
Shamonin, M., see A. Erdmann 102 (1993) 25
Sheppard, A.P., Devices written by colliding spatial solitons: a coupled mode theory approach 102 (1993) 317
Shin, S.-Y., see H.-J. Lee 102 (1993) 221
Shoop, B.L., Second-order cascaded optical error diffusion modulators for oversampled analog-to-digital converters 102 (1993) 125
Sicre, E.E., see L.V. Bourimborde 102 (1993) 397
Sidorov, A.I., see Yv.B. Ovchinnikov 102 (1993) 155
Sierks, J., J. Eschner, V.M. Baev and P.E. Toschek, Sensitivity of intracavity absorption measurements with Ti:sapphire laser 102 (1993) 265
Sild, O., Dynamic dipole moment of a molecule in a strong light field 102 (1993) 36
Silvennoinen, R., see K.-E. Peiponen 102 (1993) 314
Singh, K., see A. Roy 102 (1993) 309
Smith, C.P., Y. Dihardja, C.O. Weiss, L.A. Lugiato, F. Prati and P. Vanotti, Low energy switching of laser doughnut modes and pattern recognition 102 (1993) 505
Smith, K., see N.J. Smith 102 (1993) 324
Smith, N.J., K.J. Blow, W.J. Firth and K. Smith, Soliton dynamics in the presence of phase modulators 102 (1993) 324
Smith, P., M. Collett and D. Walls, Quantum non-demolition measurements with an optical parametric amplifier 102 (1993) 105
Staliunas, K., M.F.H. Tarroja and C.O. Weiss, Transverse mode locking, antilocking and self-induced dynamics of class-B lasers 102 (1993) 69
Streater, A.D., see A.P. Hickman 102 (1993) 281
Sugg, B., F. Kahmann, R.A. Rupp, Ph. Delaye and G. Roosen, Diffraction and two-beam-coupling in GaAs along the [111]-direction 102 (1993) 6
Sun, Y., Q. Gong, S. Yang, Y.H. Zou, L. Fei, X. Zhou and D. Qiang, Optical limiting properties of buckminsterfullerene C_{60}/C_{70} 102 (1993) 205
Sure, S., see R. Gerhardt 102 (1993) 31

Taboury, J., see H.C. Zhai 102 (1993) 414
Taheri, B., see I. Földvári 102 (1993) 245
Takeda, T., see K. Kawano 102 (1993) 421
Tamaki, R., see H. Yoshida 102 (1993) 461
Tarroja, M.F.H., see K. Staliunas 102 (1993) 69
Thüring, B., R. Neubecker and T. Tschudi, Transverse pattern formation in liquid crystal light valve feedback system 102 (1993) 111
Tolksdorf, W., see R. Gerhardt 102 (1993) 31
Tomonaga, N., see M. Funayama 102 (1993) 457
Tonso, A.O., see L.V. Bourimborde 102 (1993) 397
Torrent, M.C., see J. Dellunde 102 (1993) 277
Toschek, P.E., see J. Sierks 102 (1993) 265
Tschudi, T., see B. Thüring 102 (1993) 111
Turovets, S.I., see V.N. Chizhevsky 102 (1993) 175

Uhlenbusch, J., see X. Luo 102 (1993) 65
Uteza, O.P., M.L. Sentis, Ph.C. Delaporte, B.M. Forestier and B.L. Fontaine, Laser beam quality of high pulse repetition frequency excimer lasers 102 (1993) 523

Van Enk, S.J., Geometric phase, transformations of gaussian light beams and angular momentum transfer 102 (1993) 59
Vanotti, P., see C.P. Smith 102 (1993) 505
Vega, L., see M.P. Cagigal 102 (1993) 469
Vinogradov, A.V., see I.A. Artyukov 102 (1993) 401
Volostnikov, V., see E. Abramochkin 102 (1993) 336

Wagner, C., see R.J. Brecha 102 (1993) 257
Walker, A.C., see J.E. Ehrlich 102 (1993) 473
Walls, D., see P. Smith 102 (1993) 105
Walther, H., see R.J. Brecha 102 (1993) 257
Wan, Z., see C. Chen 102 (1993) 439
Wang, W. and M. Ohtsu, Frequency-tunable sum- and difference-frequency generation by using two diode lasers in a KTP crystal 102 (1993) 304
Wang, X., Z. Xu, P. Fan, L. Lin, Y. Li, P. Lu, R. Li, A. Qian and Z. Zhang, Time and space resolved studies of recombination X-ray lasers 102 (1993) 271
Weinert-Rączka, E. and F. Lederer, An externally controlled optical digital switch 102 (1993) 478
Weiss, C.O., see K. Staliunas 102 (1993) 69
Weiss, C.O., see C.P. Smith 102 (1993) 505
Weissbach, S., F. Wyrowski and O. Bryngdahl, Characteristics of error diffusion in digital holography 102 (1993) 407
Woerner, M., see C. Ludwig 102 (1993) 447
Wyrowski, F., see S. Weissbach 102 (1993) 407

Xiao, M., see O. Keller 102 (1993) 238
Xie, C., see T. Zhang 102 (1993) 491
Xu, Z., see X. Wang 102 (1993) 271

Yamaguchi, M., see S. Ohishi 102 (1993) 425
Yan, D., see J. Zhang 102 (1993) 13
Yang, S., see Y. Sun 102 (1993) 205
Yoshida, H., R. Tamaki and H. Ninomiya, Laser action of optically pumped Fe vapor in ultraviolet region 102 (1993) 461
Yulin, S.A., see I.A. Artyukov 102 (1993) 401
Yurkov, M.V., see E.L. Saldin 102 (1993) 360

Zarubin, A.M., Three-dimensional generalization of the Van Cittert–Zernike theorem to wave and particle scattering, Optics Comm. 100 (1993) 491. Erratum 102 (1993) 543
Zhai, H.C., P. Chavel, I. Seyd-Darwish and J. Taboury, Holographic array illuminator with high diffraction efficiency and low aberration 102 (1993) 414
Zhang, G., see X. Chen 102 (1993) 293
Zhang, J., L. Zhang, D. Yan, A. He and L. Liu, Local interconnection neural network and its optical implementation 102 (1993) 13
Zhang, L., see J. Zhang 102 (1993) 13
Zhang, S., S. Lin and C. Chen, Optical fuzzy matrix–matrix composition operation processor based on outer-product algorithm 102 (1993) 213

Zhang, T., C. Xie and K. Peng, Back-action-evading measurement via nondegenerate optical parametric down-conversion in a ring cavity 102 (1993) 491
Zhang, Y.-F., see K.-E. Peiponen 102 (1993) 314
Zhang, Z., see X. Wang 102 (1993) 271
Zhao, M., see P.L. Ramazza 102 (1993) 93
Zhao, M., see S. Residori 102 (1993) 100
Zhou, X., see Y. Sun 102 (1993) 205
Zou, Y.H., see Y. Sun 102 (1993) 205

Optics Communications 102 (1993) 555–559
North-Holland

OPTICS
COMMUNICATIONS

Subject Index to Volume 102

Propagation and transmission in homogeneous media

First images obtained in the near infrared spectrum with the photon scanning tunneling microscope, F. De Fornel, E. Lesniewska, L. Salomon and J.P. Goudonnet 102 (1993) 1
Stationary depth-profiling reflectometer based on low-coherence interferometry, A. Knüttel and J.M. Schmitt 102 (1993) 193
Diffraction of a time-dependent electromagnetic pulse by a conducting plane screen, P. Hillion 102 (1993) 199
Optical limiting properties of buckminsterfullerene C_{60}/C_{70}, Y. Sun, Q. Gong, S. Yang, Y.H. Zou, L. Fei, X. Zhou and D. Qiang 102 (1993) 205
Spiral-type beams, E. Abramochkin and V. Volostnikov 102 (1993) 336
Zone plates performing generalized Hankel transforms and their metrological applications, Z. Jaroszewicz and A. Kołodziejczyk 102 (1993) 391
Space intensity distribution and projections of the cross spectral density, V. Bagini, F. Gori, M. Santarsiero, G. Guattari and G. Schirripa Spagnolo 102 (1993) 495

Propagation and transmission in inhomogeneous media

Measurement of linear shear in digital shearing speckle interferometry, T.W. Ng and F.S. Chau 102 (1993) 208

Optical information, image formation and analysis, optical computing

Diffraction and two-beam-coupling in GaAs along the [111]-direction, B. Sugg, F. Kahmann, R.A. Rupp, Ph. Delaye and G. Roosen 102 (1993) 6
Local interconnection neural network and its optical implementation, J. Zhang, L. Zhang, D. Yan, A. He and L. Liu 102 (1993) 13
Evaluation of LCTV as a spatial light modulator, K. Ohkubo and J. Ohtsubo 102 (1993) 116
Second-order cascaded optical error diffusion modulators for oversampled analog-to-digital converters, B.L. Shoop 102 (1993) 125
Measurement of linear shear in digital shearing speckle interferometry, T.W. Ng and F.S. Chau 102 (1993) 208
Optical fuzzy matrix–matrix composition operation processor based on outer-product algorithm, S. Zhang, S. Lin and C. Chen 102 (1993) 213
Phase conjugate reflectivity and diffraction efficiency of gain gratings in Nd:YAG, R.P.M. Green, G.J. Crofts and M.J. Damzen 102 (1993) 288
Alignability versus bandwidth and bit-error-rate for optical interconnects, R.S. Beech and A.K. Ghosh 102 (1993) 351
Real-time measurement of the meniscus shape using the Talbot effect, L.V. Bourimborde, A.O. Tonso, C.M.V. Colautti and E.E. Sicre 102 (1993) 397

Soft X-ray submicron imaging experiments with nanosecond exposure, I.A. Artyukov, A.I. Fedorenko, V.V. Kondratenko, S.A. Yulin and A.V. Vinogradov 102 (1993) 401
Characteristics of error diffusion in digital holography, S. Weissbach, F. Wyrowski and O. Bryngdahl 102 (1993) 407
Holographic array illuminator with high diffraction efficiency and low aberration, H.C. Zhai, P. Chavel, I. Seyd-Darwish and J. Taboury 102 (1993) 414
Additional phase change between saturable absorption and holographic components in phase-conjugate interferometry, K. Kawano, K. Nakagawa, T. Takeda and H. Fujiwara 102 (1993) 421
Reconstruction of blood vessels from an insufficient number of projections obtained from venography, S. Ohishi, H. Haneishi, M. Yamaguchi, N. Ohyama and T. Honda 102 (1993) 425
Low energy switching of laser doughnut modes and pattern recognition, C.P. Smith, Y. Dihardja, C.O. Weiss, L.A. Lugiato, F. Prati and P. Vanotti 102 (1993) 505
Entropic reconstruction of complex images, B.R. Frieden and A.T. Bajkova 102 (1993) 515

Optical communications

Supergaussian beams of continuous order as GRIN modes, J. Ojeda-Castañeda, G. Saavedra and E. López-Olazagasti 102 (1993) 21
Finite difference analysis of gyrotropic waveguides, A. Erdmann, M. Shamonin, P. Hertel and H. Dötsch 102 (1993) 25
Optical properties of bismuth and gallium substituted thulium iron garnet films, R. Gerhardt, S. Sure, H. Dötsch, T. Linkewitz and W. Tolksdorf 102 (1993) 31
Simultaneous resonance of an S-shaped two-coupler optical fibre ring resonator, Y.H. Ja 102 (1993) 133
Multimode operation of ARROW waveguides, J.M. Kubica, J. Gazecki and G.K. Reeves 102 (1993) 217
Fabrication-tolerant $\Delta\kappa$ directional coupler switch using annealing in proton exchange, H.-J. Lee, S.-Y. Shin and B.-G. Kim 102 (1993) 221

Atomic and molecular physics

Dynamic dipole moment of a molecule in a strong light field, O. Sild 102 (1993) 36
Diode laser saturated absorption measurements of isotope shifts and hyperfine structure in ZrI, R.J. McLean, P. Hannaford, P.L. Larkins and W.J. Rowlands 102 (1993) 43
Reflection of metastable neon atoms by a surface plasmon wave, S. Feron, J. Reinhardt, S. Le Boiteux, O. Gorceix, J. Baudon, M. Ducloy, J. Robert, Ch. Miniatura, S. Nic Chormaic, H. Haberland and V. Lorent 102 (1993) 83
The system of N two-level atoms interacting with a field mode: entanglement and parametric approximation, G. Drobný and I. Jex 102 (1993) 141
Rectified dipole force in a bichromatic standing light wave, Yv.B. Ovchinnikov, R. Grimm, A.I. Sidorov and V.S. Letokhov 102 (1993) 155
A simple model for optical capture of atoms in strong magnetic quadrupole fields, D. Haubrich, A. Höpe and D. Meschede 102 (1993) 225
Squeezing-induced transparency in a two-level atom, Z. Ficek and B.J. Dalton 102 (1993) 231
Optical frequency determination of the hyperfine components of the $5S_{1/2}$–$5D_{3/2}$ two-photon transitions in rubidium, F. Nez, F. Biraben, R. Felder and Y. Millerioux 102 (1993) 432

Condensed matter

Surface-plasmon microscopy with grating couplers, U. Fernandez, T.M. Fischer and W. Knoll 102 (1993) 49
Phase measurements of the fifth-order susceptibility of Cd(S, Se)-doped glasses, H. Ma, L.E.E. De Araújo, A.S.L. Gomes and C.B. De Araújo 102 (1993) 89
Optical limiting properties of buckminsterfullerene C_{60}/C_{70}, Y. Sun, Q. Gong, S. Yang, Y.H. Zou, L. Fei, X. Zhou and D. Qiang 102 (1993) 205
Optical diamagnetic polarizability of a mesoscopic metallic sphere: transverse self-field approach, O. Keller, M. Xiao and S. Bozhevolnyi 102 (1993) 238
Nonlinear absorption of laser light in Bi_2TeO_5 single crystal, I. Földvári, B. Taheri, R.J. Reeves and R.C. Powell 102 (1993) 245
Photoreflectance and photoluminescence characterizations of $GaAs/Al_xGa_{1-x}As$ single quantum well interface structures, C. Chen, W. Gao, L. Mi, D. Huang, Y. Chen, Z. Wan and D.W. Liu 102 (1993) 439

Lasers

Simultaneous emission of seven laser bands in the N_2 2^+ system by current confinement and discharge channel plasma inductance reduction, M.P.P. Castro, C.E. Fellows and C.A. Massone 102 (1993) 53
Geometric phase, transformations of gaussian light beams and angular momentum transfer, S.J. Van Enk 102 (1993) 59
Microwave excited high power cw CO laser at room temperature, X. Luo, J.H. Schäfer and J. Uhlenbusch 102 (1993) 65
Transverse mode locking, antilocking and self-induced dynamics of class-B lasers, K. Staliunas, M.F.H. Tarroja and C.O. Weiss 102 (1993) 69
The system of N two-level atoms interacting with a field mode: entanglement and parametric approximation, G. Drobný and I. Jex 102 (1993) 141
Frequency shifted feedback dye laser operating at a small shift frequency, S. Balle, I.C.M. Littler, K. Bergmann and F.V. Kowalski 102 (1993) 166
Small signal amplification and classical squeezing near period-doubling bifurcations in a modulated CO_2-laser, V.N. Chizhevsky and S.I. Turovets 102 (1993) 175
Complex temporal structures in models of a laser with optoelectronic delayed feedback, E.V. Grigorieva and S.A. Kashchenko 102 (1993) 183
Stabilized diode-laser system with grating feedback and frequency-offset locking, J.J. Maki, N.S. Campbell, C.M. Grande, R.P. Knorpp and D.H. McIntyre 102 (1993) 251
Circular Rydberg states with very large n, R.J. Brecha, G. Raithel, C. Wagner and H. Walther 102 (1993) 257
Sensitivity of intracavity absorption measurements with Ti:sapphire laser, J. Sierks, J. Eschner, V.M. Baev and P.E. Toschek 102 (1993) 265
Time and space resolved studies of recombination X-ray lasers, X. Wang, Z. Xu, P. Fan, L. Lin, Y. Li, P. Lu, R. Li, A. Qian and Z. Zhang 102 (1993) 271
Effect of large injected fields on the transient dynamics of a laser, J. Dellunde, M.C. Torrent and J.M. Sancho 102 (1993) 277
Light-induced diffusive pulling and diffusion cross sections for K–He: experiment and theory, A.P. Hickman, D.T. Mugglin and A.D. Streater 102 (1993) 281

Similarity techniques in a one-dimensional theory of a FEL oscillator, E.L. Saldin, E.A. Schneidmiller and M.V. Yurkov 102 (1993) 360
Generation of synchronized femtosecond pulses independently tunable in the mid-infrared, C. Ludwig, W. Frey, M. Woerner and T. Elsaesser 102 (1993) 447
Experimental characterization of a folded self-filtering unstable resonator applied to an excimer laser, V. Nassisi and M. Primavera 102 (1993) 452
Continuously tunable coherent source over 202–3180 nm based on a Ti:sapphire laser, M. Funayama, K. Mukaihara, H. Morita, T. Okada, N. Tomonaga, J. Izumi and M. Maeda 102 (1993) 457
Laser action of optically pumped Fe vapor in ultraviolet region, H. Yoshida, R. Tamaki and H. Ninomiya 102 (1993) 461
Use of ZnS as an additional highly nonlinear intracavity self-focusing element in a Ti:sapphire self-modelocked laser, C. Radzewicz, G.W. Pearson and J.S. Krasinski 102 (1993) 464

Nonlinear optics

Influence of the pulse instabilities on the optimization criteria of a fiber compressor, S. Di Stasio and A. Cutolo 102 (1993) 76
Reflection of metastable neon atoms by a surface plasmon wave, S. Feron, J. Reinhardt, S. Le Boiteux, O. Gorceix, J. Baudon, M. Ducloy, J. Robert, Ch. Miniatura, S. Nic Chormaic, H. Haberland and V. Lorent 102 (1993) 83
Phase measurements of the fifth-order susceptibility of Cd(S, Se)-doped glasses, H. Ma, L.E.E. De Araújo, A.S.L. Gomes and C.B. De Araújo 102 (1993) 89
Experimental study of two-wave mixing amplification in Cu-doped KNSBN, P.L. Ramazza and M. Zhao 102 (1993) 93
Dynamics of beam fanning in Cu-doped KNSBN, S. Residori, P.L. Ramazza and M. Zhao 102 (1993) 100
Quantum non-demolition measurements with an optical parametric amplifier, P. Smith, M. Collett and D. Walls 102 (1993) 105
Transverse pattern formation in liquid crystal light valve feedback system, B. Thüring, R. Neubecker and T. Tschudi 102 (1993) 111
Phase conjugate reflectivity and diffraction efficiency of gain gratings in Nd:YAG, R.P.M. Green, G.J. Crofts and M.J. Damzen 102 (1993) 288
A compound up-conversion luminescence mechanism in crystalline TmP_5O_{14}, X. Chen and G. Zhang 102 (1993) 293
High-power widely-tunable picosecond pulses from an all-solid-state synchronously-pumped optical parametric oscillator, M.J. McCarthy, S.D. Butterworth and D.C. Hanna 102 (1993) 297
Frequency-tunable sum- and difference-frequency generation by using two diode lasers in a KTP crystal, W. Wang and M. Ohtsu 102 (1993) 304
Crystal orientation-dependent cross and parallel polarization coupling in the transmission type DTWM, A. Roy and K. Singh 102 (1993) 309
Laser-induced luminescence of chinese tea, K.-E. Peiponen, R. Silvennoinen and Y.-F. Zhang 102 (1993) 314
Devices written by colliding spatial solitons: a coupled mode theory approach, A.P. Sheppard 102 (1993) 317
Soliton dynamics in the presence of phase modulators, N.J. Smith, K.J. Blow, W.J. Firth and K. Smith 102 (1993) 324

Influence of Raman scattering on the cross phase modulation in optical fibers, S. Kumar, A. Selvarajan and G.V. Anand 102 (1993) 329
Optical bistability and nonclassical photon counting statistics with few atoms, U. Martini, C. Ginzel and A. Schenzle 102 (1993) 379
The second-order factorial moment of the time-interval distribution and its application to life-time determination, M.P. Cagigal, P. Prieto and L. Vega 102 (1993) 469
Guided-wave measurements of real-excitation optical nonlinearities in a tensile strained InGaAs on InP quantum well at 1.5 μm, J.E. Ehrlich, D.T. Neilson, A.C. Walker and M. Hopkinson 102 (1993) 473
An externally controlled optical digital switch, E. Weinert-Rączka and F. Lederer 102 (1993) 478
Spontaneous solitons in short length geometry of stimulated Raman scattering, D.E. Gakhovich, A.S. Grabchikov and V.A. Orlovich 102 (1993) 485
Back-action-evading measurement via nondegenerate optical parametric down-conversion in a ring cavity, T. Zhang, C. Xie and K. Peng 102 (1993) 491
Interaction of light beam with its second harmonic in a square-law nonlinear guide, P. Pliszka and P.P. Banerjee 102 (1993) 532